

NEXT-100 PMT Enclosure System

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- Conduits all lead to a cantilevered central manifold (vacuum inside)

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- Xenon permeation through seals is recovered with a cold trap.

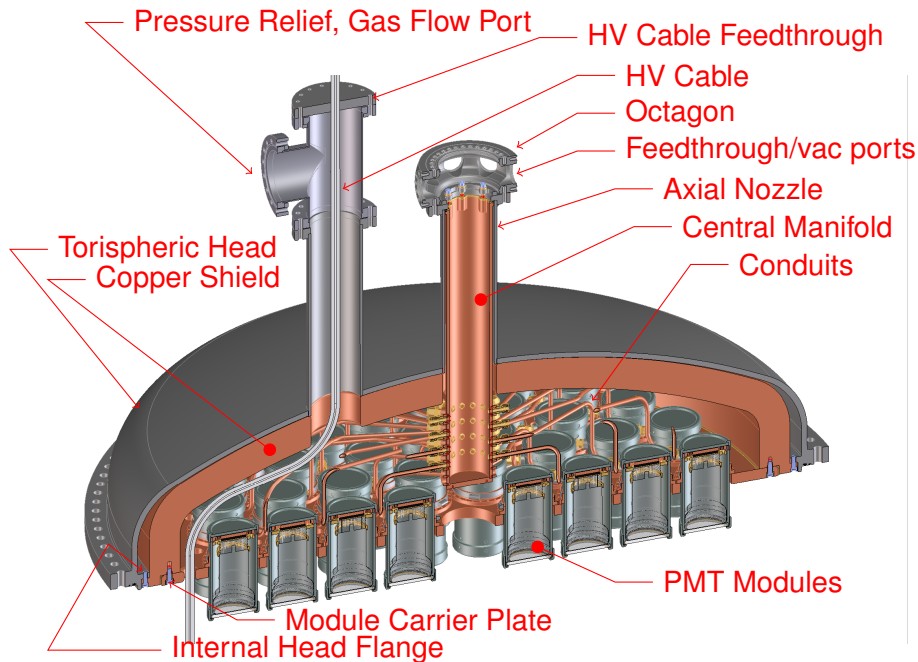
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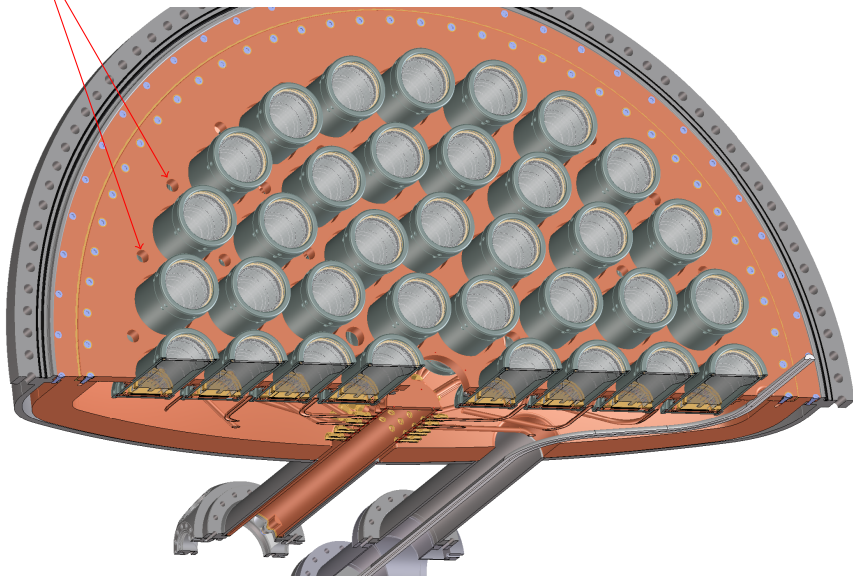
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- Alternately, the cathodes can be grounded, and the anodes and signal run at high positive voltage using only the central 21 pins of each 41 pin feedthrough, to avoid flashover.

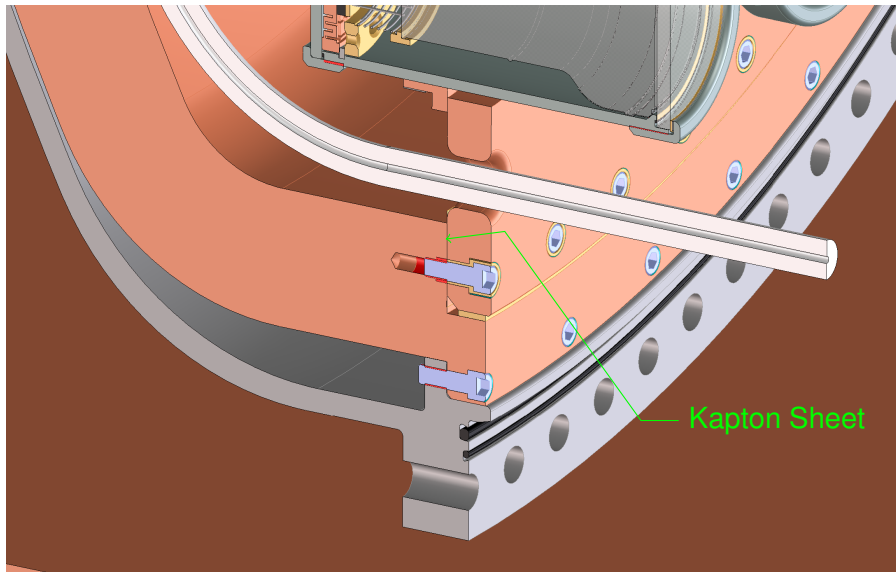
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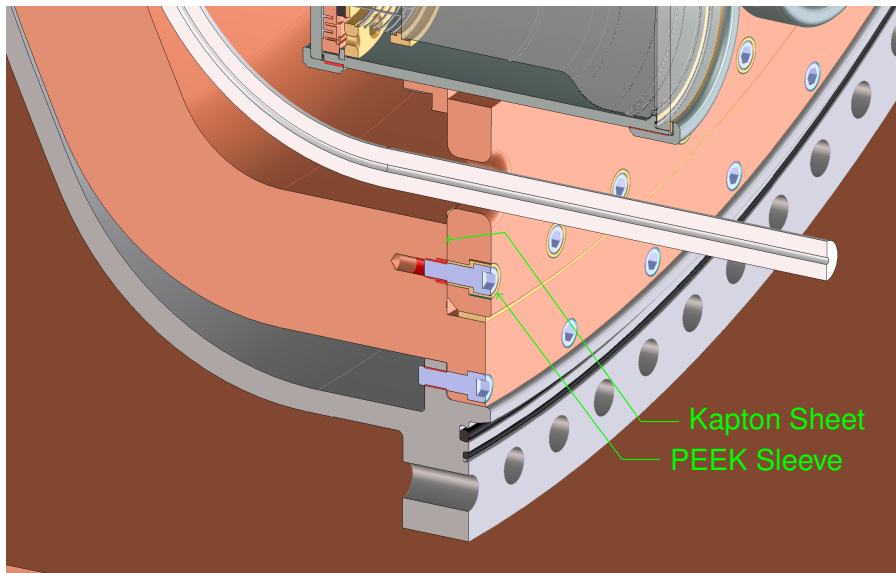
Parameter	qty	units
Maximum Allowable External Pressure on PMT	3	bar (abs)
Mass, Vessel and both heads	1100	kg

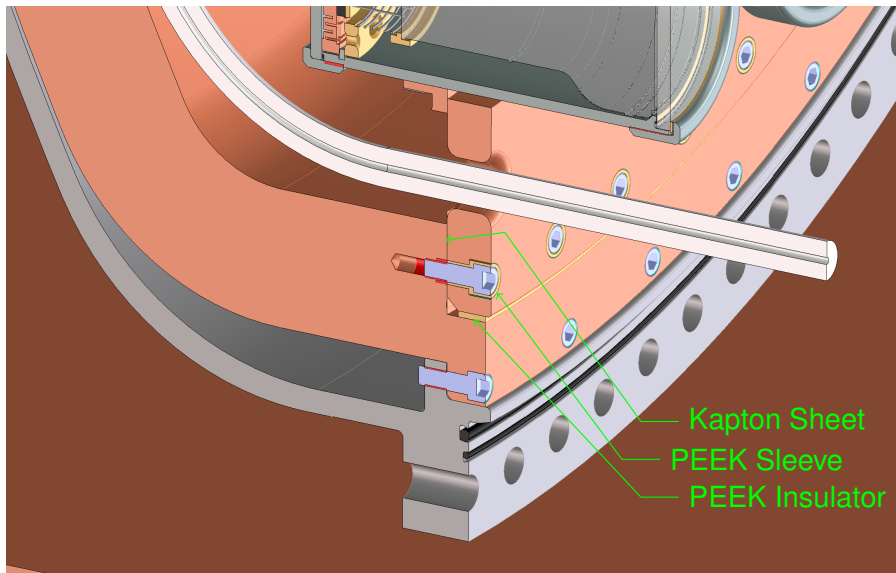


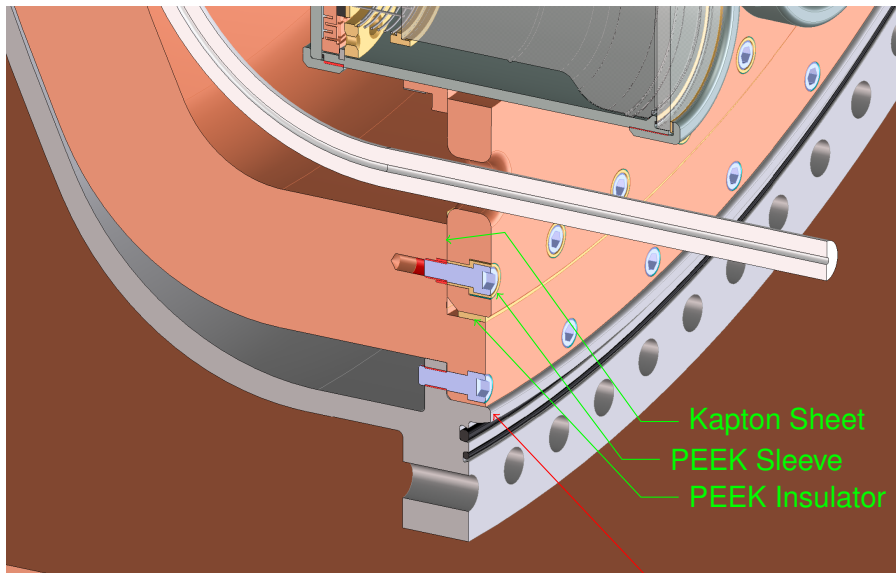
Gas Flow Holes

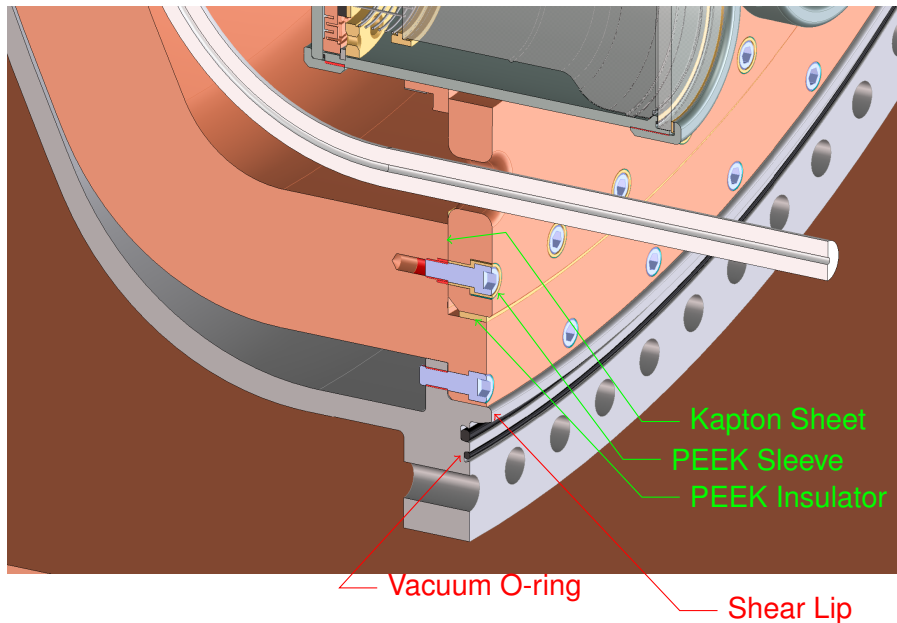


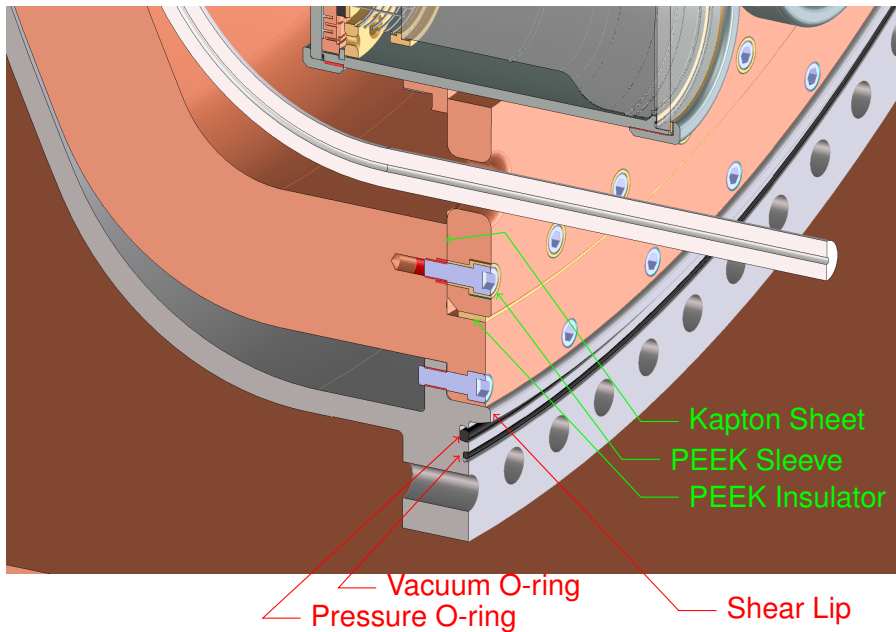


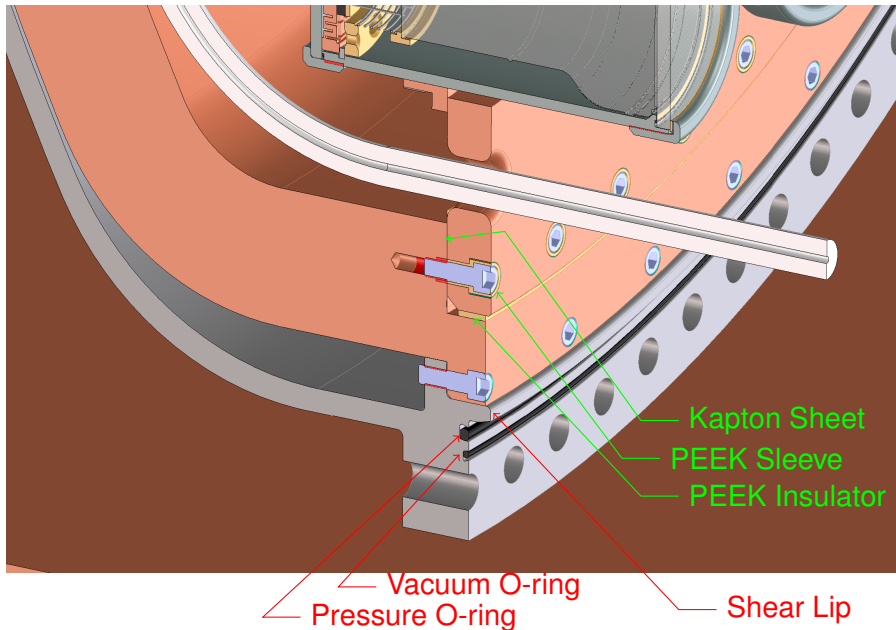


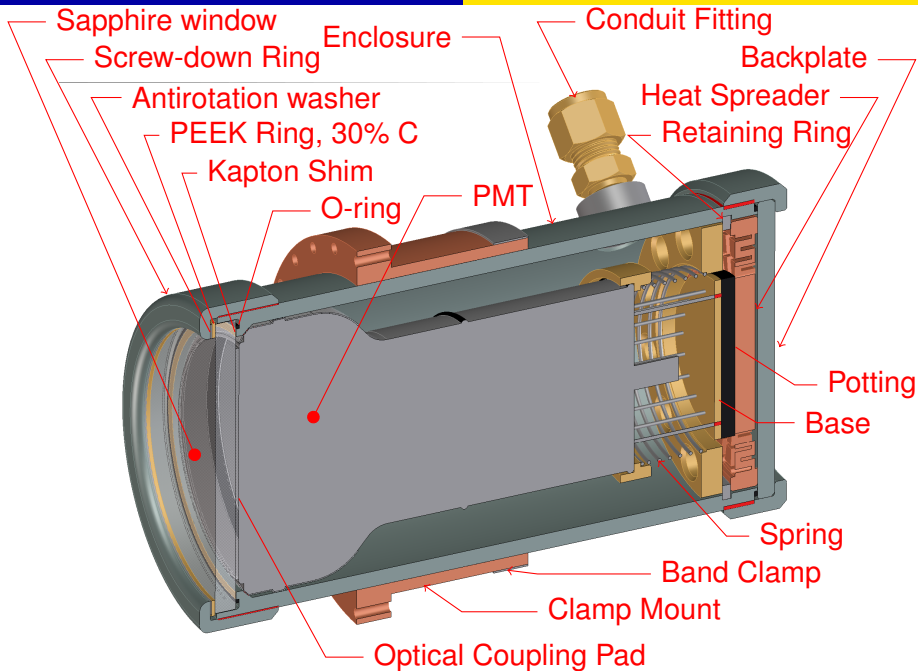


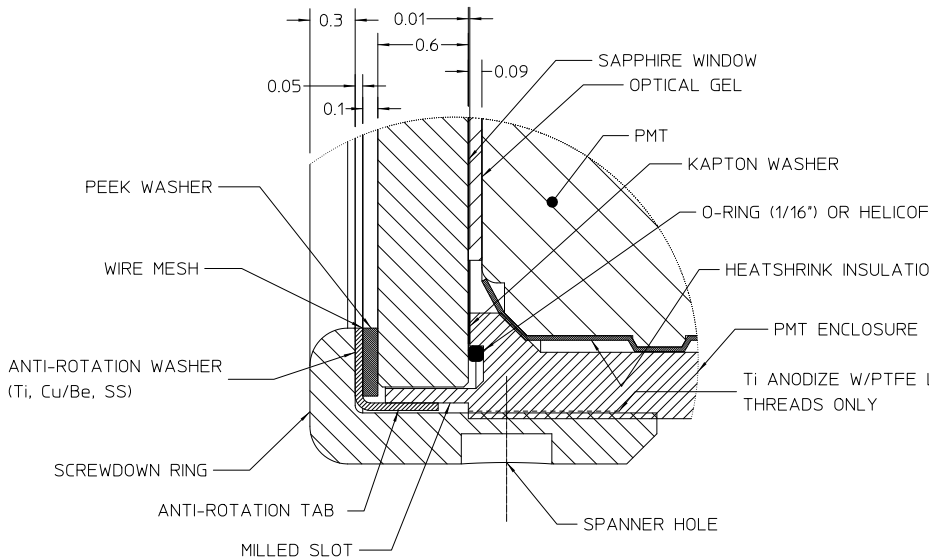












Detail1
SCALE 5:1 DIMS IN CM

